

50

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/520,521
Source: Py
Date Processed by STIC: 1/24/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/520,521

CRF Edit Date: 1/27/06
Edited by: AS

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

— Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

J

Other:

inserted a hard return after <1507 line
Sequence 37- in a.a. 61 (met), deleted extra space between
"me" and "f"



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/520,521

DATE: 01/27/2006
TIME: 11:52:15

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\01272006\J520521.raw

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3 <110> APPLICANT: Bernard, Dominique
4      Mehul, Villejuif
5      L'OREALL'OREAL
7 <120> TITLE OF INVENTION: USE OF ASPARTIC PROTEASES IN COSMETICS AND THERAPEUTICS
9 <130> FILE REFERENCE: 032487-010
11 <140> CURRENT APPLICATION NUMBER: 10/520,521
12 <141> CURRENT FILING DATE: 2005-01-07
14 <150> PRIOR APPLICATION NUMBER: PCT/FR03/002151
15 <151> PRIOR FILING DATE: 2003-07-09
17 <150> PRIOR APPLICATION NUMBER: FR 02 08613
18 <151> PRIOR FILING DATE: 2002-07-09
20 <160> NUMBER OF SEQ ID NOS: 39
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 12
26 <212> TYPE: PRT
27 <213> ORGANISM: Homo Sapiens
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36 <212> TYPE: PRT
37 <213> ORGANISM: Homo Sapiens
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44          20
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48 <211> LENGTH: 9
49 <212> TYPE: PRT
50 <213> ORGANISM: Homo Sapiens
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54 1          5
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58 <211> LENGTH: 259
59 <212> TYPE: PRT
60 <213> ORGANISM: Homo Sapiens
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64 1          5          10          15

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/520,521

DATE: 01/27/2006
TIME: 11:52:15

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\01272006\J520521.raw

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67          20           25           30
69 Leu His Ser Phe Glu Val Ile Asn Asp Leu Asn His Trp Asp His Ile
70          35           40           45
72 Thr Lys Leu Arg Phe Leu Lys Glu Ser Leu Arg Gly Glu Ala Leu Gly
73          50           55           60
75 Val Tyr Asn Arg Leu Ser Pro Gln Asp Gln Gly Asp Tyr Gly Thr Val
76 65          70           75           80
78 Lys Glu Ala Leu Lys Ala Phe Gly Val Pro Gly Ala Ala Pro Ser
79          85           90           95
81 His Leu Pro Lys Glu Ile Val Phe Ala Asn Ser Met Gly Lys Gly Tyr
82          100          105          110
84 Tyr Leu Lys Gly Lys Ile Gly Lys Val Pro Val Arg Phe Leu Val Asp
85          115          120          125
87 Ser Gly Ala Gln Val Ser Val Val His Pro Asn Leu Trp Glu Glu Val
88          130          135          140
90 Thr Asp Gly Asp Leu Asp Thr Leu Gln Pro Phe Glu Asn Val Val Lys
91 145          150          155          160
93 Val Ala Asn Gly Ala Glu Met Lys Ile Leu Gly Val Trp Asp Thr Ala
94          165          170          175
96 Val Ser Leu Gly Lys Leu Lys Leu Lys Ala Gln Phe Leu Val Ala Asn
97          180          185          190
99 Ala Ser Ala Glu Glu Ala Ile Ile Gly Thr Asp Val Leu Gln Asp His
100         195          200          205
102 Asn Ala Ile Leu Asp Phe Glu His Arg Thr Cys Thr Leu Lys Gly Lys
103         210          215          220
105 Lys Phe Arg Leu Leu Pro Val Gly Gly Ser Leu Glu Asp Glu Phe Asp
106 225          230          235          240
108 Leu Glu Leu Ile Glu Glu Asp Pro Ser Ser Glu Glu Gly Arg Gln Glu
109         245          250          255
111 Leu Ser His
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116 <211> LENGTH: 343
117 <212> TYPE: PRT
118 <213> ORGANISM: Homo Sapiens
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124 Glu Gln Ala Thr Ala Leu Pro Ala Ser Ala Pro Ala Val Ser Gln Pro
125          20           25           30
127 Thr Ala Pro Ala Pro Ser Cys Leu Pro Lys Ala Gly Gln Val Ile Pro
128          35           40           45
130 Thr Leu Leu Arg Glu Ala Pro Phe Ser Ser Val Ile Ala Pro Thr Leu
131          50           55           60
133 Leu Cys Gly Phe Leu Phe Leu Ala Trp Val Ala Ala Glu Val Pro Glu
134 65          70           75           80
136 Glu Ser Ser Arg Met Ala Gly Ser Gly Ala Arg Ser Glu Glu Gly Arg
137          85           90           95
139 Arg Gln His Ala Phe Val Pro Glu Pro Phe Asp Gly Ala Asn Val Val

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PATENT APPLICATION: US/10/520,521

DATE: 01/27/2006
TIME: 11:52:15

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\01272006\J520521.raw

140	100	105	110
142	Pro Asn Leu Trp Leu His Ser Phe Glu Val Ile Asn Asp Leu Asn His		
143	115	120	125
145	Trp Asp His Ile Thr Lys Leu Arg Phe Leu Lys Glu Ser Leu Arg Gly		
146	130	135	140
148	Glu Ala Leu Gly Val Tyr Asn Arg Leu Ser Pro Gln Asp Gln Gly Asp		
149	145	150	155
151	Tyr Gly Thr Val Lys Glu Ala Leu Leu Lys Ala Phe Gly Val Pro Gly		
152	165	170	175
154	Ala Ala Pro Ser His Leu Pro Lys Glu Ile Val Phe Ala Asn Ser Met		
155	180	185	190
157	Gly Lys Gly Tyr Tyr Leu Lys Gly Lys Ile Gly Lys Val Pro Val Arg		
158	195	200	205
160	Phe Leu Val Asp Ser Gly Ala Gln Val Ser Val Val His Pro Asn Leu		
161	210	215	220
163	Trp Glu Glu Val Thr Asp Gly Asp Leu Asp Thr Leu Gln Pro Phe Glu		
164	225	230	235
166	Asn Val Val Lys Val Ala Asn Gly Ala Glu Met Lys Ile Leu Gly Val		
167	245	250	255
169	Trp Asp Thr Ala Val Ser Leu Gly Lys Leu Lys Leu Lys Ala Gln Phe		
170	260	265	270
172	Leu Val Ala Asn Ala Ser Ala Glu Glu Ala Ile Ile Gly Thr Asp Val		
173	275	280	285
175	Leu Gln Asp His Asn Ala Ile Leu Asp Phe Glu His Arg Thr Cys Thr		
176	290	295	300
178	Leu Lys Gly Lys Lys Phe Arg Leu Leu Pro Val Gly Gly Ser Leu Glu		
179	305	310	315
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185	340		
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190	<212> TYPE: PRT		
191	<213> ORGANISM: Homo Sapiens		
193	<400> SEQUENCE: 6		
194	Ala Asn Ser Met Gly Lys Gly Tyr Tyr Leu Lys Gly Lys Ile Gly Lys		
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			15
197	Val Pro Val Arg Phe Leu Val Asp Ser Gly Ala Gln Val Ser Val Val		
198	20	25	30
200	His Pro Asn Leu Trp Glu Glu Val Thr Asp Gly Asp Leu Asp Thr Leu		
201	35	40	45
203	Gln Pro Phe Glu Asn Val Val Lys Val Ala Asn Gly Ala Glu Met Lys		
204	50	55	60
206	Ile Leu Gly Val Trp Asp Thr Ala Val Ser Leu Gly Lys Leu Lys Leu		
207	65	70	75
			80
209	Lys Ala Gln Phe Leu Val Ala Asn Ala Ser Ala Glu Glu Ala Ile Ile		
210	85	90	95
212	Gly Thr Asp Val Leu Gln Asp His Asn Ala Ile Leu Asp Phe Glu His		

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/520,521

DATE: 01/27/2006

TIME: 11:52:15

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01272006\J520521.raw

213 100 105 110
 215 Arg Thr Cys Thr Leu Lys Gly Lys Lys Phe Arg Leu Leu Pro Val Gly
 216 115 120 125
 218 Gly Ser Leu Glu Asp Glu Phe Asp Leu Glu
 219 130 135
 222 <210> SEQ ID NO: 7
 223 <211> LENGTH: 58
 224 <212> TYPE: PRT
 225 <213> ORGANISM: Homo Sapiens
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 229 1 5 10 15
 231 Glu Gln Ala Thr Ala Leu Pro Ala Ser Ala Pro Ala Val Ser Gln Pro
 232 20 25 30
 234 Thr Ala Pro Ala Pro Ser Cys Leu Pro Lys Ala Gly Gln Val Ile Pro
 235 35 40 45
 237 Thr Leu Leu Arg Glu Ala Pro Phe Ser Ser
 238 50 55
 241 <210> SEQ ID NO: 8
 242 <211> LENGTH: 18
 243 <212> TYPE: PRT
 244 <213> ORGANISM: Homo Sapiens
 246 <400> SEQUENCE: 8
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 248 1 5 10 15
 250 Ala Ala
 253 <210> SEQ ID NO: 9
 254 <211> LENGTH: 17
 255 <212> TYPE: PRT
 256 <213> ORGANISM: Homo Sapiens
 258 <400> SEQUENCE: 9
 259 Leu Ile Glu Glu Asp Pro Ser Ser Glu Glu Gly Arg Gln Glu Leu Ser
 260 1 5 10 15
 262 His
 266 <210> SEQ ID NO: 10
 267 <211> LENGTH: 25
 268 <212> TYPE: DNA
 269 <213> ORGANISM: Artificial Sequence
 271 <220> FEATURE:
 272 <223> OTHER INFORMATION: Primer SC140 amplified by PCR encoding the complete SASPase.
 274 <400> SEQUENCE: 10
 275 taggatccat ggggagccca ggggc 25
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 279 <211> LENGTH: 30
 280 <212> TYPE: DNA
 281 <213> ORGANISM: Artificial Sequence
 283 <220> FEATURE:
 284 <223> OTHER INFORMATION: Primer SC131 amplified by PCR encoding the complete SASPase.
 286 <400> SEQUENCE: 11

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/520,521

DATE: 01/27/2006

TIME: 11:52:15

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01272006\J520521.raw

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 292 <212> TYPE: DNA
 293 <213> ORGANISM: Artificial Sequence
 295 <220> FEATURE:
 296 <223> OTHER INFORMATION: Primer SC130 amplified by PCR encoding the truncated form of SASPase,
 297 Delta 1-84.
 299 <400> SEQUENCE: 12
 300 gataggatcc atggccggga gcggagccag gag 33
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 304 <211> LENGTH: 20
 305 <212> TYPE: DNA
 306 <213> ORGANISM: Artificial Sequence
 308 <220> FEATURE:
 309 <223> OTHER INFORMATION: Primer SC134 amplified by RT-PCR.
 311 <400> SEQUENCE: 13
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 315 <210> SEQ ID NO: 14
 316 <211> LENGTH: 20
 317 <212> TYPE: DNA
 318 <213> ORGANISM: Artificial Sequence
 320 <220> FEATURE:
 321 <223> OTHER INFORMATION: Primer SC135 amplified by RT-PCR.
 323 <400> SEQUENCE: 14
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 328 <211> LENGTH: 25
 329 <212> TYPE: PRT
 330 <213> ORGANISM: Homo Sapiens
 332 <400> SEQUENCE: 15
 333 Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
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 336 Leu Val Cys Gly Glu Arg Gly Phe Phe
 337 20 25
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 341 <211> LENGTH: 136
 342 <212> TYPE: PRT
 343 <213> ORGANISM: Homo Sapiens
 345 <400> SEQUENCE: 16
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 347 1 5 10 15
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 350 20 25 30
 352 Asn Leu Trp Glu Glu Val Thr Asp Gly Asp Leu Asp Thr Leu Gln Pro
 353 35 40 45
 355 Phe Glu Asn Val Val Lys Val Ala Asn Gly Ala Glu Met Lys Ile Leu
 356 50 55 60
 358 Gly Val Trp Asp Thr Ala Val Ser Leu Gly Lys Leu Lys Ala

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/520,521

DATE: 01/27/2006

TIME: 11:52:16

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01272006\J520521.raw

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**Raw Sequence Listing before editing,
for reference only**



PCT

RAW SEQUENCE LISTING

DATE: 01/24/2006

PATENT APPLICATION: US/10/520,521

TIME: 10:01:19

Input Set : A:\Patentin PCT EASY 032487-010.ST25.txt
Output Set: N:\CRF4\01052006\J520521.raw

3 <110> APPLICANT: Bernard, Dominique
4 Mehul, Villejuif
5 L'OREALL'OREAL
7 <120> TITLE OF INVENTION: USE OF ASPARTIC PROTEASES IN COSMETICS AND THERAPEUTICS
9 <130> FILE REFERENCE: 032487-010
11 <140> CURRENT APPLICATION NUMBER: 10/520,521
12 <141> CURRENT FILING DATE: 2005-01-07
14 <150> PRIOR APPLICATION NUMBER: PCT/FR03/002151
15 <151> PRIOR FILING DATE: 2003-07-09 *insert a hard return*
17 <150> PRIOR APPLICATION NUMBER: FR 02 08613 <151> 2002-07-09
19 <160> NUMBER OF SEQ ID NOS: 39
21 <170> SOFTWARE: PatentIn version 3.1

ERRORRED SEQUENCES

1036 <210> SEQ ID NO: 37
1037 <211> LENGTH: 123
1038 <212> TYPE: PRT
1039 <213> ORGANISM: Homo Sapiens
1041 <400> SEQUENCE: 37

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1044 1 5 10 15
1046 Lys Arg Pro Glu Ile Leu Ile Phe Val Asn Gly Tyr Pro Ile Lys Phe
1047 20 25 30
1049 Leu Leu Asp Thr Gly Ala Asp Ile Thr Ile Leu Asn Arg Arg Asp Phe
1050 35 40 45 → Met
E--> 1052 Gln Val Lys Asn Ser Ile Glu Asn Gly Arg Gln Asn Me tIle Gly Val
1053 50 55 60
1055 Gly Gly Gly Lys Arg Gly Thr Asn Tyr Ile Asn Val His Leu Glu Ile
1056 65 70 75 80
1058 Arg Asp Glu Asn Tyr Lys Thr Gln Cys Ile Phe Gly Asn Val Cys Val
1059 85 90 95
1061 Leu Glu Asp Asn Ser Leu Ile Gln Pro Leu Leu Gly Arg Asp Asn Met
1062 100 105 110
1064 Ile Lys Phe Asn Ile Arg Leu Val Met Ala Gln
1065 115 120

*Does Not Comply
Corrected Diskette Needed*

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/24/2006
PATENT APPLICATION: US/10/520,521 TIME: 10:01:20

Input Set : A:\Patentin PCT EASY 032487-010.ST25.txt
Output Set: N:\CRF4\01052006\J520521.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:12; Line(s) 295

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/520,521

DATE: 01/24/2006

TIME: 10:01:20

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